Year 4

Unit 1a

Number and Place Value

Count in multiples of 25 from zero

Count up in multiples of 1000 from any number

Find 1000 more than a given number

Find 1000 less than a given number

Read 4-digit numbers in numerals and write in words

Read 4-digit numbers in words and write using numerals

Read 4-digit numbers in words and write using numerals, including zero as a place holder

Read 4-digit numbers in numerals and write in words, including zero as a place holder

Identify 4-digit numbers on a number line

Represent 4-digit numbers on a number line

Represent 4-digit numbers

Recognise the value of digits in 4-digit numbers

Term 1

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Year 4

Unit 2

Geometry: Properties of Shapes

Identify lines of symmetry of a 2D shape

Identify a line of symmetry of a pattern and for a diagram of a reflection

Use a line of symmetry to produce a symmetrical pattern

Use a line of symmetry to complete a symmetrical shape

Identify and describe a rhombus

Identify and describe a parallelogram

Identify and describe a scalene triangle

Identify and describe an isosceles triangle

Identify and describe an equilateral triangle

Classify 2D shapes

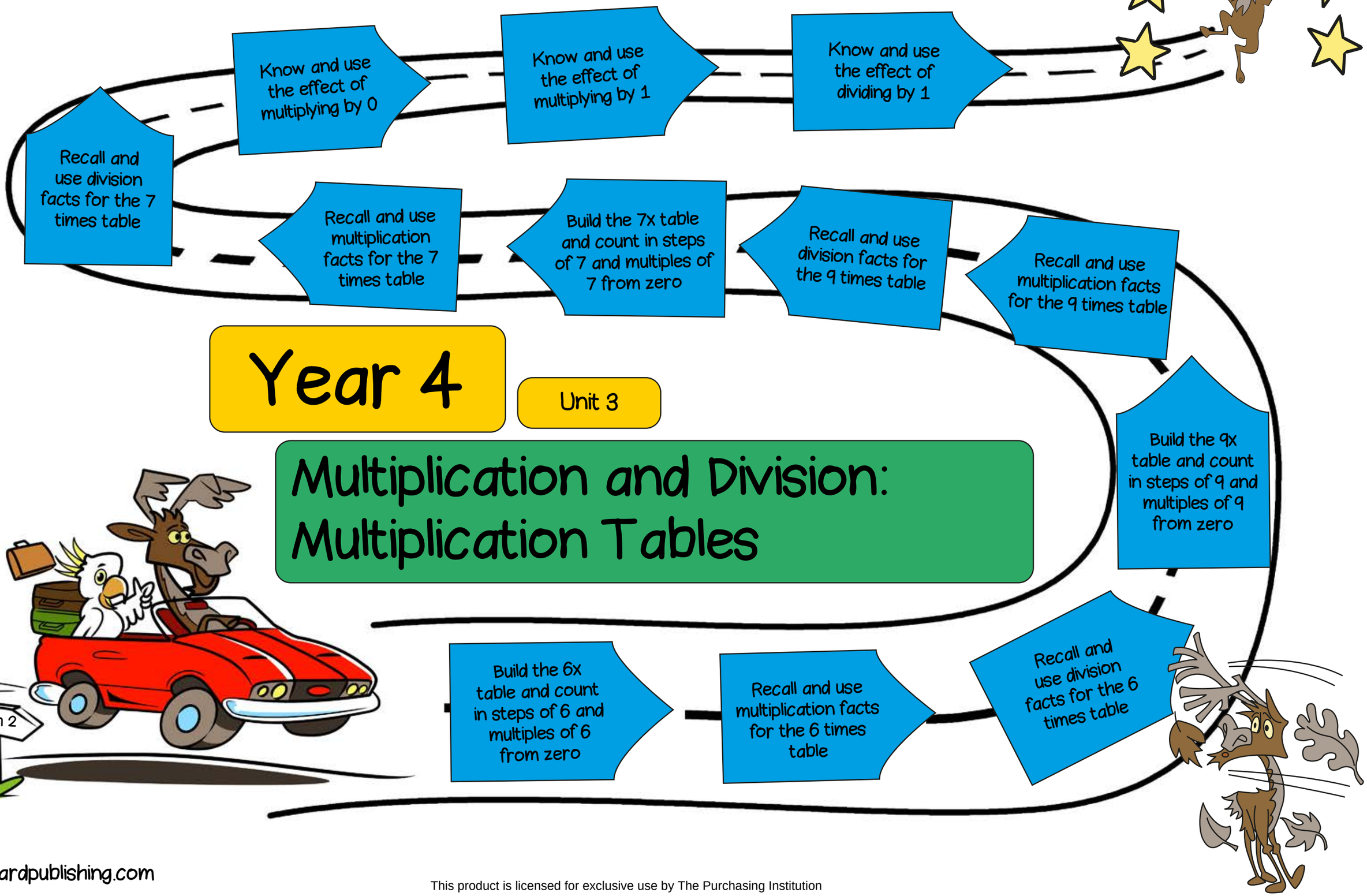
Idenitfy and describe a kite

Identify and describe a trapezium



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Year 4

Unit 3

Multiplication and Division: Multiplication Tables

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Year 4

Unit 4

Addition and Subtraction: Mental Methods Addition

Add two 4-digit numbers using rounding to the nearest thousand and then compensating

Add two 3-digit numbers where the sum exceeds 1000, choosing an efficient mental strategy

Add 3-digit number to 4-digit number using rounding to the nearest hundred and then compensating

Add hundreds to 4-digit numbers (where the thousands change)

Add tens to 4-digit numbers (where the thousands change)

Add ones to 4-digit numbers (where the thousands change)

Add tens to 4-digit numbers (where the hundreds change)



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Year 4

Unit 5

Addition and Subtraction: Mental Methods Subtraction

Subtract 3-digit number from 4-digit number using rounding to the nearest hundred and then compensating

Subtract 4-digit number from a 4-digit number using rounding to the nearest thousand and then compensating

Subtract by finding the difference between two 4-digit numbers by counting on

Subtract tens from 4-digit number (where the thousands change)

Subtract hundreds from 4-digit number (where the thousands change)

Subtract tens from 4-digit number (where the hundreds change)

Subtract ones from 4-digit number (where the hundreds change)

Subtract ones from 4-digit number (where the thousands change)



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Year 4

Unit 6

Multiplication and Division: Multiplication Tables

Recall and use division facts for the 12 times table

Use knowledge of factor pairs (commutativity) when multiplying mentally three numbers together, such as 2 x 6 x 5 = 10 x 6 = 60

Recall and use multiplication facts for the 12 times table

Build the 12x table and count in steps of 12 from zero

Recall and use division facts for the 11 times table

Recall and use multiplication facts for the 11 times table

Build the 11x table and count in steps of 11 from zero



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Year 4

Unit 7

Addition and Subtraction: Written Methods Addition



Use column addition for two 3-digit numbers where the sum exceeds 1000

Use column addition for 4-digit and 3-digit numbers when regrouping is required in multiple columns

Use column addition for 4-digit and 2-digit numbers when regrouping is required in multiple columns



Use column addition for two 4-digit numbers when regrouping is required in multiple columns

Use column addition for two 4-digit numbers when regrouping is required in the hundreds column

Use column addition for two 4-digit numbers when regrouping is required in the tens column

Add two 4-digit numbers, no regrouping

Use column addition for two 4-digit numbers when regrouping is required in the ones column



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Year 4

Unit 8

Addition and Subtraction: Written Methods Subtraction

Use column subtraction for 4-digit and 3-digit numbers when exchanging is required in multiple columns

Use column subtraction for 4-digit and 2-digit numbers when exchanging is required in multiple columns

Use column subtraction for 4-digit numbers when exchanging is required in multiple columns

Use column subtraction for 4-digit numbers when exchanging is required in the thousands column

Use column subtraction for 4-digit numbers when exchanging is required in the hundreds column

Use column subtraction for 4-digit numbers when exchanging is required in the tens column

Subtract a 4-digit number from a 4-digit number, no exchanging



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Year 4

Unit 9a

Multiplication and Division Road Map Multiplication

Multiply 3-digit number by a 1 digit number using a formal written method (regroup tens)

Multiply 3-digit number by a 1 digit number using a formal written method (regroup hundreds)

Multiply 3-digit number by a 1 digit number using a formal written method (multiple regroup)

Multiply 3-digit number by a 1 digit number using a formal written method (regroup ones)

Multiply 1 and 2-digit numbers by 100

Multiply 2 digit number by a 1 digit number using a formal written method (6, 7, 9)

Use the distributive law to multiply a two-digit number by a one-digit number (6, 7, 9)

Multiply 1 digit numbers by multiples of 10 using place value (6, 7, 9)



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Year 4

Unit 9b

Multiplication and Division Road Map Division

Use written method to divide a 3-digit number by a single digit number (hundreds > divisor, two exchanges) with no remainder

Use written method to divide a 3-digit number by a single digit number (hundreds < divisor) with no remainder

Use written method to divide a 3-digit number by a single digit number (hundreds > divisor, one exchange) with no remainder

Use written method to divide a 3-digit number by a single digit number (hundreds = multiple of divisor, tens > divisor) with no remainder

Divide 3-digit number by a single digit number using partitioning and place value

Divide near multiples by 6, 7, 9, 11, 12 with remainders

Use known facts and place value when dividing mentally e.g. 120 ÷ 6, 1200÷ 6, 1320÷ 12

Divide multiples of a hundred by 100

Divide multiples of ten by 10



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Compare angles up to two right angles in size

Order angles up to two right angles in size

Identify obtuse angles in shapes

Identify acute angles in shapes

Year 4

Unit 10

Geometry: Properties of Shapes (Angles) Road Map



Identify acute angles

Identify obtuse angles

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Year 4

Unit 11

Decimals

Order numbers with the same number of decimal places

Round numbers with 1 dp to nearest whole number

Convert from pence to pounds

Convert from pounds to pence

Divide a one-digit number by 100

Divide a two-digit number by 10

Divide a two-digit number by 100

Compare numbers with 1 dp

Compare numbers with 2 dp

Count down in hundredths

Count up in hundredths

Read and represent a number with 2 decimal places

Recognise that hundredths arise from dividing a number (or object) into one hundred equal parts and dividing tenths by ten



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Year 4

Unit 12

Fractions: Calculating and Equivalence

Find families of equivalent fractions

Know and use the decimal equivalents to 1/4, 1/2, 3/4

Identify equivalent fractions using diagrams

Calculate a non-unit fraction of an amount when the answer is a whole number

Calculate a unit fraction of an amount when the answer is a whole number

Subtract fractions with the same denominator within and beyond one whole

Add fractions with the same denominator within and beyond one whole



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Use mental strategies to subtract numbers with 2 dp

Use columnar subtraction for numbers with 2 decimal places with exchanging required

Use mental strategies to subtract numbers with 1 dp

Use columnar addition for numbers with 2 decimal places with regrouping (carrying) required

Year 4

Unit 13

Decimals: Addition and Subtraction



Use mental strategies to add numbers with 2 dp

Use mental strategies to add numbers with 1 dp



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Convert between litres and millilitres

Convert from Kilograms to grams

Convert from kilometres to metres

Convert from years to months

Convert from weeks to days

Convert from hours to minutes

Convert from 24-hour time to 12-hour analogue time

Convert 12-hour digital time to 24-hour time

Convert from 12-hour analogue time to 24-hour time

Year 4

Unit 14

Measurement: Time and Converting Units



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Year 4

Unit 15

Measurement: Perimeter and Area

Find the area of rectangles (including squares) by counting squares

Find the area of other rectilinear shapes by counting squares

Calculate the perimeter of other rectilinear shapes when dimensions are known

Calculate the perimeter of rectangles (including squares) when dimensions are known

Measure and calculate the perimeter of 2D shapes when dimensions are unknown



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Describe movements between positions as translations of a given unit to the up/down

Describe movements between positions as translations of a given unit to the left/right and up/down

Describe movements between positions as translations of a given unit to the left/right

Use coordinates to plot a set of points to construct a polygon

Year 4

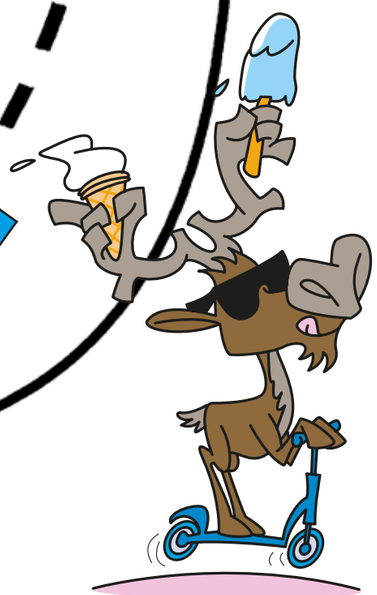
Unit 16

Geometry: Position and Direction



Use coordinates to describe the position of a point in the first quadrant

Plot points in the first quadrant using co-ordinates



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Year 4

Unit 17

Statistics

Construct a time graph

Interpret a time graph

Construct a bar chart with different scales on the frequency axis

Interpret bar charts with different scales on the frequency axis

Term 6

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